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| NEWS | 7 | APR 07 | 50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus |
| NEWS | 8 | APR 07 | MEDLINE Coverage Is Extended Back to 1947 |
| NEWS | 9 | JUN 16 | WPI First View (File WPIFV) will no longer be available after July 30, 2010 |
| NEWS | 10 | JUN 18 | DWPI: New coverage - French Granted Patents |
| NEWS | 11 | JUN 18 | CAS and FIZ Karlsruhe announce plans for a new STN platform |
| NEWS | 12 | JUN 18 | IPC codes have been added to the INSPEC backfile (1969-2009) |
| NEWS | 13 | JUN 21 | Removal of Pre-IPC 8 data fields streamline displays in CA/Caplus, CASREACT, and MARPAT |
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| NEWS | 15 | JUN 28 | Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol |
| NEWS | 16 | JUN 29 | Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN |
| NEWS | 17 | JUL 19 | Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses |
| NEWS | 18 | JUL 26 | CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica |
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| NEWS | 20 | OCT 04 | Removal of Pre-IPC 8 data fields streamlines displays in USPATFULL, USPAT2, and USPATOLD. |
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| NEWS | 24 | OCT 22 | New version of STN Viewer preserves custom |

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NEWS 25 OCT 28 INPADOCDB/INPAFAMDB: Enhancements to the US national
patent classification.
NEWS 26 NOV 03 New format for Korean patent application numbers in
CA/CAPlus increases consistency, saves time.

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* * * * * STN Columbus * * * * *

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(RHSRIGRHSRIGRHSRIG/SQEP AND SQL=18)

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168874 SQL=16
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 FILE LAST UPDATED: 2 Nov 2010 (20101102/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

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L4      2 L1
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L5      2 L2
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:101257 CAPLUS

DOCUMENT NUMBER: 140:158521

TITLE: Peptides penetrating cell membranes and their use in the transfer of molecules of interest into target cells

INVENTOR(S): Garcia, Alphonse; Dessauge, Frederic; Hospital, Veronique; Langsley, Gordon; Susin, Santos; Cayla, Xavier; Guernnon, Julien; Rebollo, Angelita

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche Scientifique; Institut National de la Recherche Agronomique; Consejo Superior de Investigaciones Cientificas; Universite Paris VII; Universite Pierre et Marie Curie (Paris VI)

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| ----- | ---- | ----- | ----- | ----- |
| WO 2004011595 | A2 | 20040205 | WO 2003-FR2344 | 20030724 |
| WO 2004011595 | A3 | 20050818 | | |
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| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| WO 2003011898 | A2 | 20030213 | WO 2002-FR2705 | 20020726 |
| WO 2003011898 | A3 | 20050317 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW | | | |
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| AU 2003269055 | A1 | 20040216 | AU 2003-269055 | 20030724 |
| PRIORITY APPLN. INFO.: | | | WO 2002-FR2705 | A 20020726 |
| | | | FR 2003-1014 | A 20030129 |
| | | | US 2003-482768P | P 20030627 |
| | | | FR 2001-10139 | A 20010727 |
| | | | WO 2003-FR2344 | W 20030724 |

OTHER SOURCE(S): MARPAT 140:158521

AB Cell membrane-penetrating peptides that can be used to help transport other macromols. across cell membranes are described. These peptides can be used, for example, for in vivo delivery of medicines into target cells of an organism or for in vitro or ex vivo transfer of mols. of interest

IT 497213-13-5
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence, membrane-penetrating peptide; peptides penetrating cell membranes and their use in transfer of mols. of interest into target cells)
RN 497213-13-5 CAPLUS
CN Glycine, L-arginyl-L-histidyl-L-seryl-L-arginyl-L-isoleucylglycyl-L-arginyl-L-histidyl-L-seryl-L-arginyl-L-isoleucylglycyl-L-arginyl-L-histidyl-L-seryl-L-arginyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

[illegible]

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:117856 CAPLUS
DOCUMENT NUMBER: 138:165737

TITLE: Identification of synthetic or natural peptides binding protein phosphatase 2A and their therapeutic uses

INVENTOR(S): Garcia, Alphonse; Cayla, Xavier; Rebollo, Angelita; Langsley, Gordon

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Institut National de la Recherche Agronomique; Consejo Superior de Investigaciones Cientificas; Centre National de la Recherche Scientifique

SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| WO 2003011898 | A3 | 20050317 | | |
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| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| FR 2827866 | A1 | 20030131 | FR 2001-10139 | 20010727 |
| FR 2827866 | B1 | 20041210 | | |
| CA 2455403 | A1 | 20030213 | CA 2002-2455403 | 20020726 |
| AU 2002341023 | A1 | 20030217 | AU 2002-341023 | 20020726 |
| EP 1530584 | A2 | 20050518 | EP 2002-774847 | 20020726 |
| EP 1530584 | B1 | 20090826 | | |
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| CN 1630663 | A | 20050622 | CN 2002-818386 | 20020726 |
| JP 2005522185 | T | 20050728 | JP 2003-517089 | 20020726 |
| JP 4439261 | B2 | 20100324 | | |
| AT 440860 | T | 20090915 | AT 2002-774847 | 20020726 |
| ES 2331730 | T3 | 20100114 | ES 2002-774847 | 20020726 |
| WO 2004011595 | A2 | 20040205 | WO 2003-FR2344 | 20030724 |
| WO 2004011595 | A3 | 20050818 | | |
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| US 20060014930 | A1 | 20060119 | US 2004-763286 | 20040126 |
| KR 950520 | B1 | 20100330 | KR 2004-7001216 | 20040127 |
| JP 2009112309 | A | 20090528 | JP 2008-288017 | 20081110 |
| KR 2009060462 | A | 20090612 | KR 2009-7010359 | 20090520 |
| PRIORITY APPLN. INFO.: | | | FR 2001-10139 | A 20010727 |
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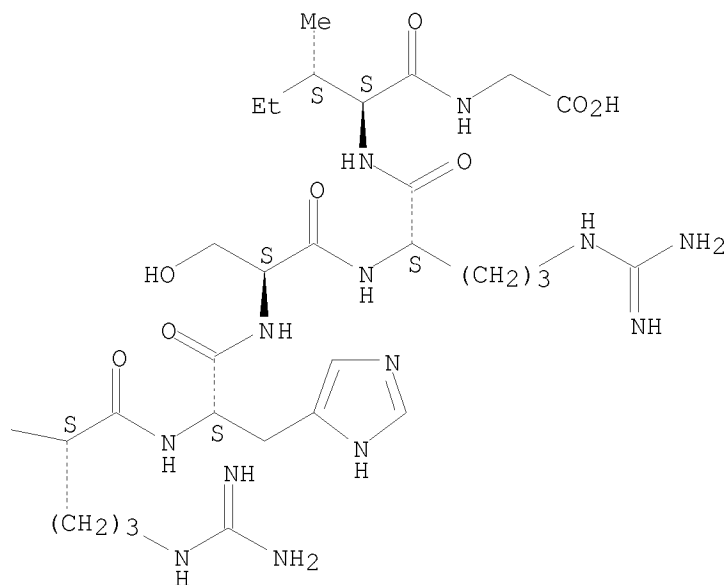
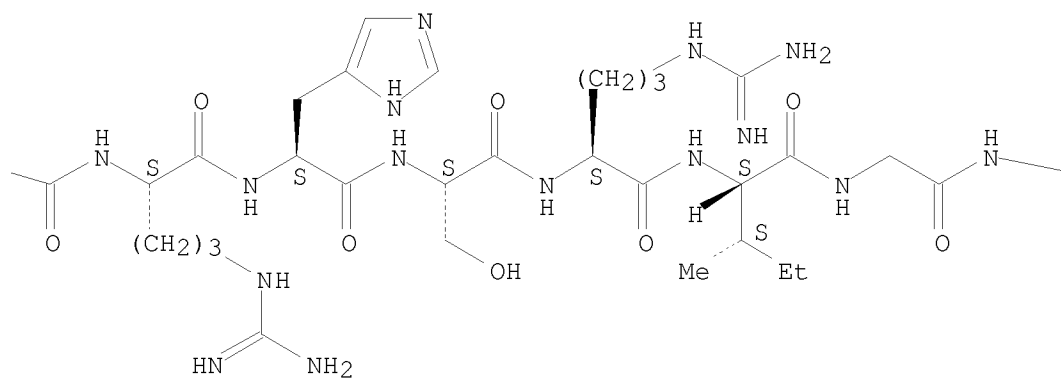
AB Synthetic or natural peptides of <30 amino acids that act specifically bind protein phosphatase 2A holoenzyme or one of its subunits in vitro are identified. The enzyme plays a role in many disease processes peptides may be useful in particular for treating viral or parasitic infections or in the treatment of tumors. The invention also concerns a method for identifying such peptides, and their uses. Screening of dodecapeptide libraries from the vpr protein of HIV-1 and casein kinase II of *Theileria parva* is demonstrated.

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence, protein phosphatase 2A ligand peptide; identification of synthetic or natural peptides binding protein phosphatase 2A and their therapeutic uses)

CN Glycine, L-argininyl-L-histidyl-L-seryl-L-argininyl-L-isoleucylglycyl-L-argininyl-L-histidyl-L-seryl-L-argininyl-L-isoleucylglycyl-L-argininyl-L-histidyl-L-seryl-L-argininyl-L-isoleucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

N=C(N)NCCSC(=O)NC(CS(=O)(=O)CNC(=O)SCC(O)CNC(=O)SCC(S(=O)(=O)NC(=O)NCC)[C@H](C)C[C@@H](C)C



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=> 12

L7

2 L2

=> d ibib abs total 15

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:101257 CAPLUS

DOCUMENT NUMBER: 140:158521

TITLE: Peptides penetrating cell membranes and their use in the transfer of molecules of interest into target cells

INVENTOR(S): Garcia, Alphonse; Dessauge, Frederic; Hospital, Veronique; Langsley, Gordon; Susin, Santos; Cayla, Xavier; Guernon, Julien; Rebollo, Angelita

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche Scientifique; Institut National de la Recherche Agronomique; Consejo Superior de Investigaciones Cientificas; Universite Paris VII; Universite Pierre et Marie Curie (Paris VI)

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2004011595 | A2 | 20040205 | WO 2003-FR2344 | 20030724 |
| WO 2004011595 | A3 | 20050818 | | |
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| WO 2003011898 | A2 | 20030213 | WO 2002-FR2705 | 20020726 |
| WO 2003011898 | A3 | 20050317 | | |
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| AU 2003269055 | A1 | 20040216 | AU 2003-269055 | 20030724 |
| PRIORITY APPLN. INFO.: | | | WO 2002-FR2705 | A 20020726 |
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| | | | US 2003-482768P | P 20030627 |
| | | | FR 2001-10139 | A 20010727 |
| | | | WO 2003-FR2344 | W 20030724 |

OTHER SOURCE(S): MARPAT 140:158521

AB Cell membrane-penetrating peptides that can be used to help transport other macromols. across cell membranes are described. These peptides can be used, for example, for in vivo delivery of medicines into target cells

of an organism or for in vitro or ex vivo transfer of mols. of interest into culture cells. Use of these peptides to transfer pro-apoptotic peptides into mammalian cell lines is demonstrated.

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:117856 CAPLUS

DOCUMENT NUMBER: 138:165737

TITLE: Identification of synthetic or natural peptides binding protein phosphatase 2A and their therapeutic uses

INVENTOR(S): Garcia, Alphonse; Cayla, Xavier; Rebollo, Angelita; Langsley, Gordon

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Institut National de la Recherche Agronomique; Consejo Superior de Investigaciones Cientificas; Centre National de la Recherche Scientifique

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| AT 440860 | T | 20090915 | AT 2002-774847 | 20020726 |
| ES 2331730 | T3 | 20100114 | ES 2002-774847 | 20020726 |
| WO 2004011595 | A2 | 20040205 | WO 2003-FR2344 | 20030724 |
| WO 2004011595 | A3 | 20050818 | | |
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FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
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| US 20060014930 | A1 | 20060119 | US 2004-763286 | 20040126 |
| KR 950520 | B1 | 20100330 | KR 2004-7001216 | 20040127 |
| JP 2009112309 | A | 20090528 | JP 2008-288017 | 20081110 |
| KR 2009060462 | A | 20090612 | KR 2009-7010359 | 20090520 |

PRIORITY APPLN. INFO.:

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| FR 2001-10139 | A | 20010727 |
| JP 2003-517089 | A3 | 20020726 |
| WO 2002-FR2705 | W | 20020726 |
| FR 2003-1014 | A | 20030129 |
| US 2003-482768P | P | 20030627 |
| KR 2004-7001216 | A3 | 20040127 |

AB Synthetic or natural peptides of <30 amino acids that act specifically bind protein phosphatase 2A holoenzyme or one of its subunits in vitro are identified. The enzyme plays a role in many disease processes peptides may be useful in particular for treating viral or parasitic infections or in the treatment of tumors. The invention also concerns a method for identifying such peptides, and their uses. Screening of dodecapeptide libraries from the vpr protein of HIV-1 and casein kinase II of Theileria parva is demonstrated.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

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L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:336447 CAPLUS

DOCUMENT NUMBER: 144:480465

TITLE: Use of penetrating peptides interacting with PP1/PP2A proteins as a general approach for a drug phosphatase technology

AUTHOR(S): Guernon, Julien; Dessauge, Frederic; Dominguez, Victoria; Viallet, Jean; Bonnefoy, Serge; Yuste, Victor J.; Mercereau-Puijalon, Odile; Cayla, Xavier; Rebollo, Angelita; Susin, Santos A.; Bost, Pierre-Etienne; Garcia, Alphonse

CORPORATE SOURCE: Equipe Phosphatases, Unite de Chimie Organique, Institut Pasteur, Paris, Fr.

SOURCE: Molecular Pharmacology (2006), 69(4), 1115-1124

CODEN: MOPMA3; ISSN: 0026-895X

PUBLISHER: American Society for Pharmacology and Experimental Therapeutics

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Protein phosphatase types 1 (PP1) and 2A (PP2A) represent two major families of serine/threonine protein phosphatases that have been implicated in the regulation of many cellular processes, including cell growth and apoptosis in mammalian cells. PP1 and PP2A proteins are composed of oligomeric complexes comprising a catalytic structure (PP1c or PP2AC) containing the enzymic activity and at least one more interacting subunit. The binding of different subunits to a catalytic structure generates a broad variety of holoenzymes. We showed here that casein kinase 2 α (Ck2 α) and simian virus 40 small t antigen share a putative common β -strand structure required for PP2A1 trimeric holoenzyme binding. We have also characterized DPT-sh1, a short basic peptide from Ck2 α that interacted only in vitro with the PP2A-A subunit and behaves as a nontoxic penetrating shuttle in several

cultivated human cell lines and chick embryos. In addition, DPT-sh1 specifically accumulated in human red cells infected with Plasmodium falciparum malaria parasites. We therefore designed bipartite peptides containing DPT-sh1 and PP1- or PP2A-interacting sequences. We found that DPT-5, a DPT-sh1-derived peptide containing a short sequence identified in CD28 antigen, interacts with PP2A-B α , and DPT-7, another DPT-sh1-derived peptide containing a short sequence identified in Bad as a PP1 catalytic consensus docking motif, induce apoptosis in cultivated cell lines. These results clearly indicate that the rational design of PP1/PP2A interacting peptides is a pertinent strategy to deregulate intracellular survival pathways.

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:117856 CAPLUS
DOCUMENT NUMBER: 138:165737
TITLE: Identification of synthetic or natural peptides binding protein phosphatase 2A and their therapeutic uses
INVENTOR(S): Garcia, Alphonse; Cayla, Xavier; Rebollo, Angelita; Langsley, Gordon
PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Institut National de la Recherche Agronomique; Consejo Superior de Investigaciones Cientificas; Centre National de la Recherche Scientifique
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2003011898 | A2 | 20030213 | WO 2002-FR2705 | 20020726 |
| WO 2003011898 | A3 | 20050317 | | |
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| FR 2827866 | A1 | 20030131 | FR 2001-10139 | 20010727 |
| FR 2827866 | B1 | 20041210 | | |
| CA 2455403 | A1 | 20030213 | CA 2002-2455403 | 20020726 |
| AU 2002341023 | A1 | 20030217 | AU 2002-341023 | 20020726 |
| EP 1530584 | A2 | 20050518 | EP 2002-774847 | 20020726 |
| EP 1530584 | B1 | 20090826 | | |
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| CN 1630663 | A | 20050622 | CN 2002-818386 | 20020726 |
| JP 2005522185 | T | 20050728 | JP 2003-517089 | 20020726 |
| JP 4439261 | B2 | 20100324 | | |
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| KR 2009060462 | A | 20090612 | KR 2009-7010359 | 20090520 |

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| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 36.72 | 61.69 |

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| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -5.10 | -5.10 |

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:40:53 ON 03 NOV 2010